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| FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | ATTY. DOCKET NO. 500.40274X00 | SERIAL NO. 09/884,091 |
| APPLICANT T. AKIYAMA, et al | | |
| FILING DATE June 20, 2001 | | GROUP 2637 |

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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|  | <p>M. Takada, "Transmission Performance Depending on OFDM Symbol Duration and Scattered Pilot for Digital Terrestrial Broadcasting", The Institute of Image Information and Television Engineers, vol. 52, No. 11, pp. 1685-1665, 1998.</p> |
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A circular stamp with the words "U.S. PATENT & TRADEMARK OFFICE" around the perimeter. In the center, it says "COMMERCIAL DIVISION" at the top and "JUN 8 2005" at the bottom.

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| <i>PJD</i> | Y. Murakami, et al "A New Design of Pilot Symbol in 16QAM Channels", IEEE 51 st Vehicular Technology Conference Proceedings, Tokyo, Japan, vol. 3 of 3, Conf. 51, May 15, 2000, pp. 2064-2068. |
| <i>PJD</i> | "Digital Video Broadcasting (DVB)", European Standard (Telecommunication Series), ETSI EN 300 744, March 1997, pp. 25-34. |

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